10/654,175

STM-STructure Search

=> d ibib abs hitstr 1-10

ANSWER 1 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

2002:429546 CAPLUS

DOCUMENT NUMBER:

137:21500

TITLE:

Thermally stable anthraquinone colorants containing copolymerizable vinyl groups and polymeric coating

compositions based on them

INVENTOR(S):

Cyr, Michael John; Weaver, Max Allen; Rhodes, Gerry Foust; Pearson, Jason Clay; Cook, Phillip Michael; De

Wit, Jos Simon; Johnson, Larry Keith

PATENT ASSIGNEE(S):

SOURCE:

Eastman Chemical Co., USA U.S. Pat. Appl. Publ., 26 pp., Cont.-in-part of U.S.

Ser. No. 633,548, abandoned.

CODEN: USXXCO

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

	rent i	-			KINI			API	PLICATIO	NO.		DATE	
US	20020	0687:	25			2002	0606	US	2001-91	1789		20010	724
US	66898	328 ्			B2	2004	0210		•				
WO	20020)124	01		A2	2002	0214	WO	2001-US	23705		20010	730
WO	20020	124	01.		А3	2002	0418						
	W:	CN,	JΡ,	MX						•			
	RW:	AT,	BE,	CH,	CY,	DE, DK,	ES,	FI, F	R, GB, G	R, IE,	IT,	LU, MC,	NL,
		PT,	SE,	TR									•
EP	13075	517			A2	2003	0507	EΡ	2001-96	1769		20010	730
	R:	AT,	BE,	CH,	DE,	DK, ES,	FR,	GB, GF	R, IT, I	I, LU,	NL,	SE, MC,	PT.
		ΙE,	FΙ,	CY,			•	•		. ,	·		,
JP	20045	5060	62	,	Т2	2004	0226	JP	2002-51	7695		20010	730
US	20041	1026	37		A1	2004	0527	US	2003-71	9268		20031	121
US	20041	108	12		A1	2004	0610	US	2003-71	9883		20031	121
US	20041	1220	72		A1	2004	0624	US	2003-71	9427		20031	121
US	67876	558			В2	2004	0907						
US	20041	4299	95		A1	2004	0722	US	2003-73	4630		20031	212
PRIORITY									2000-63			2 20000	
-									2001-91				
•									2001-US			•	
								., 0	_ 001 00	_5,55	• •	20010	

MARPAT 137:21500

Disclosed are thermally stable anthraquinone dyes containing ≥1 vinyl group(s) which render the compds. copolymerizable with reactive vinyl monomers to produce colored, polymeric compns. such as acrylic polymer materials. The dyes possess good fastness to UV light, good solubility in vinyl monomers, good color strength, and excellent thermal stability. Coating compns. are based on ≥1 reactive vinyl monomer(s), ≥1 vinyl dye(s), and a photoinitiator. In an example, 1,5-bis(2-carboxyphenylthio)anthraquinone was diesterified with 4-vinylbenzyl chloride to give a yellow bis(4-vinylbenzyl) ester.

ŤТ 396715-21-2P

> RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(yellow dye; production and polymerization of thermally stable anthraquinone dye

monomers)

396715-21-2 CAPLUS RN

CN9,10-Anthracenedione, 1,5-bis[[1-[(4-ethenylphenyl)methyl]-1H-1,2,4triazol-3-yl]thio]- (9CI) (CA INDEX NAME)

PAGE 2-A

L4 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

2002:123136 CAPLUS

DOCUMENT NUMBER:

136:168964

TITLE:

Photopolymerizable dyes and their production

INVENTOR(S):

Cyr, Michael John; Weaver, Max Allen; Rhodes, Gerry Foust; Pearson, Jason Clay; Cook, Phillip Michael; De

Wit, Jos Simon; Johnson, Larry Keith

PATENT ASSIGNEE(S):

Eastman Chemical Company, USA

SOURCE:

PCT Int. Appl., 112 pp.

CODEN: PIXXD2

DOCUMENT TYPE: LANGUAGE:

Patent

FAMILY ACC. NUM. COUNT:

English

PATENT INFORMATION:

	PATENT NO.	KIN		E AP	PLICATION NO.	DATE
•	WO 2002012402 WO 2002012402 W: JP, MX	A2	2002	20214 WC	2001-US24634	20010806
	RW: AT, BE, PT, SE,	TR		•	R, GB, GR, IE, IT	
					2001-920904	20010802
	EP 1307515	A2	2004 2003	0507 EP	2001-957464	20010806
	R: AT, BÉ,	CH, DE,	DK, ES,	FR, GB, G MK, CY, A	R, IT, LI, LU, NI	L, SE, MC, PT,
					មុ, 18 2002-517696	20010006
					2002 517050	
					2003-654175	
PRIO	RITY APPLN. INFO				2000-223521P	
	•		1	US	2001-920904	A 20010802
.	D: 3 3		,		2001-US24634	
AB					ntain one or more	
	photopolymeriza	bie viny	1 groups	which may	be copolymd. (or	cured) with
	factored to a	nsata. N	onomers	to produce	colored compns.	with good colo
					btained by dieste	
ΙT	71673-15-9P	хурпепут	cmro) and	mraquinone	with 4-vinylbenz	zyı cnioride.
* 1	110/3-13-35					

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; production of photopolymerizable dyes)

RN 71673-15-9 CAPLUS

CN 9,10-Anthracenedione, 1,5-bis[[1-(2-hydroxyethyl)-1H-1,2,4-triazol-3-yl]thio]- (9CI) (CA INDEX NAME)

IT 396732-69-7P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(yellow dye; production of photopolymerizable dyes)

RN 396732-69-7 CAPLUS

CN 2-Propenoic acid, 2-methyl-, (9,10-dihydro-9,10-dioxo-1,5-anthracenediyl)bis(thio-1H-1,2,4-triazole-3,1-diyl-2,1-ethanediyl) ester

PAGE 2-A

L4 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

2002:123135 CAPLUS

DOCUMENT NUMBER:

136:168967

TITLE:

Thermally stable anthraquinone dyes containing

copolymerizable vinyl groups and photocurable coating

compositions therefrom

INVENTOR(S):

Cyr, Michael John; Weaver, Max Allen; Rhodes, Gerry Foust; Pearson, Jason Clay; Cook, Phillip Michael; De

Wit, Jos Simon; Johnson, Larry Keith

PATENT ASSIGNEE(S):

Eastman Chemical Company, USA

SOURCE:

PCT Int. Appl., 61 pp. CODEN: PIXXD2

DOCUMENT TYPE:

LANGUAGE:

Patent English FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND DATE	APPLICATION NO.	DATE
WO 2002012401 WO 2002012401	A2 20020214 A3 20020418	WO 2001-US23705	20010730
W: CN, JP, MX RW: AT, BE, CH, PT, SE, TR	CY, DE, DK, ES,	FI, FR, GB, GR, IE, IT	Γ, LU, MC, NL,
US 2002068725 US 6689828	A1 20020606 B2 20040210	US 2001-911789	20010724
EP 1307517 R: AT, BE, CH,	DE, DK, ES, FR,	EP 2001-961769 GB, GR, IT, LI, LU, NI	20010730 L, SE, MC, PT,
IE, FI, CY, JP 2004506062 PRIORITY APPLN. INFO.:		JP 2002-517695 US 2000-633548	20010730 ·A 20000807
OFFICE GOVERNMENT		US 2001-911789 WO 2001-US23705	A 20010724 W 20010730

OTHER SOURCE(S): MARPAT 136:168967

Disclosed are thermally stable anthraquinone dyes which contain one or more vinyl groups which render the compds. copolymerizable with reactive vinyl comonomers to produce colored, polymeric compns. The dyes possess good fastness to UV light, good solubility in the comonomers, good color strength, and excellent thermal stability. In an example, 1,5-bis(2,2-dimethyl-3-hydroxypropylamino)anthraquinone was diesterified with methacrylic anhydride to give a red dye which could be photopolymd. with acrylic comonomers to give red coating materials.

IT, 396715-21-2P

CN

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

RN 396715-21-2 CAPLUS

9,10-Anthracenedione, 1,5-bis[[1-[(4-ethenylphenyl)methyl]-1H-1,2,4-triazol-3-yl]thio]- (9CI) (CA INDEX NAME)

PAGE 2-A

ANSWER 4 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

2002:123134 CAPLUS

DOCUMENT NUMBER:

INVENTOR(S):

136:185321

TITLE:

Thermally stable anthraquinone dyes containing

copolymerizable vinyl groups, and polymers therefrom Cyr, Michael John; Weaver, Max Allen; Rhodes, Gerry

Foust; Pearson, Jason Clay; Cook, Phillip Michael

PATENT ASSIGNEE(S):

Eastman Chemical Company, USA

SOURCE:

PCT Int. Appl., 50 pp. CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT	NO.	KIND	DATE	APPLICATION NO.		DATE
WO 200	2012400	A2	20020214	WO 2001-US20347		20010627
WO 200	2012400	A3	20020418			
W:	CA, JP, MX					
RW	: AT, BE, CH,	CY, DE	E, DK, ES,	FI, FR, GB, GR, IE,	ΙΤ,	LU, MC, NL,
	PT, SE, TR					
EP 130	7514	A2	20030507	EP 2001-950510		20010627
R:	AT, BE, CH,	DE, DE	K, ES, FR,	GB, GR, IT, LI, LU,	ΝL,	SE, MC, PT,
	IE, FI, CY,	TR				
JP 200	1506061	T2	20040226	JP 2002-517694		20010627
PRIORITY AP	PLN. INFO.:	1		US 2000-633548	. A	20000807
	•			WO 2001-US20347	N	20010627
OTHER COIDS	7/6).	העם כו עות	r 136.10E3	O 1		

OTHER SOURCE(S): MARPAT 136:185321

Disclosed are thermally stable, anthraquinone dyes which contain one or more vinyl groups which render the dyes copolymerizable with reactive vinyl monomers to produce colored, polymeric compns. such as methacrylate polymeric materials. The dyes possess fastness to UV light, good solubility in vinyl monomers, good color strength, and excellent thermal stability. Also disclosed are acrylic polymers derived from acrylic acid esters, methacrylic acid esters and/or other copolymerizable vinyl compds., having copolymd. therein one or more of the anthraquinone colorant compds. In an example, a yellow copolymerizable dye was prepared by esterifying 1,5-bis(2-carboxyphenylthio)anthraquinone with 4-vinylbenzyl chloride (1:2).

IT 396715-21-2P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(yellow dye monomer; production of copolymerizable thermally stable anthraquinone dye vinyl derivs.)

RN 396715-21-2 CAPLUS CN 9,10-Anthracenedione

9,10-Anthracenedione, 1,5-bis[[1-[(4-ethenylphenyl)methyl]-1H-1,2,4-triazol-3-yl]thio]- (9CI) (CA INDEX NAME)

PAGE 1-A

L4 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSIÓN NUMBER:

2001:323713 CAPLUS

DOCUMENT NUMBER:

135:319510

TITLE:

Synthesis of novel polymeric colorants

AUTHOR(S):

Weaver, Max A.; Rhodes, Gerry; Cyr, Michael J.

CORPORATE SOURCE:

Eastman Chemical Co., Kingsport, TN, USA

SOURCE:

Proceedings of the Annual International Conference & Exhibition of the American Association of Textile Chemists and Colorists: The New Millennium of Textiles, Winston-Salem, NC, United States, Sept. 17-20, 2000 (2000), 160-169. American Association of Textile Chemists and Colorists: Research Triangle

Park, N. C. CODEN: 69BBST

DOCUMENT TYPE:

Conference; (computer optical disk)

LANGUAGE:

English

OTHER SOURCE(S):

CASREACT 135:319510

AB Several structural types of polydyes were prepared using three different synthetic methods and evaluated as colorants for thermoplastics, particularly polyesters. In Method I, anthraquinone polysulfonamide polydyes were synthesized by reacting colored anthraquinonedisulfonyl chlorides with diamines in a polar aprotic solvent in the presence of a base at about 95-100°C. In Method II, bis-aldehydes with two electron-rich aromatic aldehyde moieties joined by a linking group were reacted with bis(active methylenes) to yield polymethine polydyes. Polymerization reactions were carried out in aprotic solvents in the presence

οf

a base to facilitate Knoevenagel reactions. Lastly, diacidic dyes were reacted with glycol bis(methanesulfonates) in the presence of a suitable base and a polar aprotic solvent to give polyester polydyes. The polydyes were characterized by gel-permeation chromatog, and UV-visible spectra. The prepared polydyes were soluble in thermoplastics as opposed to pigments, yet provide advantages over solvent dyes. The polydyes may be prepared in excellent yields in batch processing equipment and have high color strength.

IT 328925-65-1P 328925-78-6P

RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(polydye; preparation of polymeric dyes for application to plastics)

RN 328925-65-1 CAPLUS

CN Poly[1H-1,2,4-triazole-3,1-diyl-1,2-ethanediyl-1H-1,2,4-triazole-1,3-

RN 328925-78-6 CAPLUS

CN Poly[1H-1,2,4-triazole-3,1-diyl-1,2-ethanediyl-1H-1,2,4-triazole-1,3-diylthio[5,8-bis[(2,6-diethylphenyl)amino]-9,10-dihydro-9,10-dioxo-2,3-anthracenediyl]thio] (9CI) (CA INDEX NAME)

REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

2001:161399 CAPLUS

DOCUMENT NUMBER:

134:224013

TITLE:

Preparation of light-absorbing polymeric compositions

as thermoplastic dyes

INVENTOR(S):

Weaver, Max Allen; Krutak, James John, Sr.; Maxwell, Brian Edison; Rhodes, Gerry Foust; Hilbert, Samuel David; Fleischer, Jean Carroll; Parham, William

Whitfield

PATENT ASSIGNEE(S):

Eastman Chemical Company, USA

SOURCE:

U.S., 109 pp., Cont.-in-part of U.S. Ser. No. 976,206,

abandoned.

CODEN: USXXAM

DOCUMENT TYPE:

Patent English

LANGUAGE:

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6197223	В1	20010306	US 1999-320002	19990526
KR 2000057281	Α	20000915	KR 1999-704683	19990527
US 2001023938	A1	20010927	US 2000-751766	20001229
US 6776930	B2	20040817		
US 2004195552	A1	20041007	US 2004-817271	20040402
PRIORITY APPLN. INFO.:			US 1996-31478P	P 19961127
•	•		US 1997-976206	B2 19971121
			US 1999-320002	A3 19990526
			US 2000-751766	A1 20001229

AB In the presence of a base, ≥ 1 diacidic monomer (having functional groups such as -CO2H, -SH, SO2NH2, etc. attached to an aromatic ring) comprising about 1-100 mol% of ≥ 1 light-absorbing monomer having a light absorption maximum of 300-1200 nm and 0-99 mol% of a non-light

CN

absorbing monomer which does not absorb significant light at wavelength >300 or <300 nm, form an oligomeric and optionally cyclic polymer that is useful as a dye for thermoplastics. Thus, thermoplastic Eastar PETG 6763 is dry blended, pelletized and pressed with a yellow anthraquinone polymeric composition obtained by the reaction products of 25.60 g of 1,5-bis(2-carboxyphenylthio)anthraquinone and 10.90 g of 1,2-ethanediol dimethanesulfonate in the presence of 13.82 g of potassium carbonate in 400 mL of N-methyl-2-pyrrolidinone, to give rise to a transparent yellow film with excellent color development.

IT 328925-65-1P 328925-70-8P 328925-78-6P 328926-20-1P

RL: IMF (Industrial manufacture); PRP (Properties); ŢEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(oligomeric, optionally cyclic; preparation of light-absorbing polymeric compns. as thermoplastic dyes)

RN 328925-65-1 CAPLUS

Poly[1H-1,2,4-triazole-3,1-diyl-1,2-ethanediyl-1H-1,2,4-triazole-1,3-diylthio(9,10-dihydro-9,10-dioxo-1,5-anthracenediyl)thio] (9CI) (CA INDEX NAME)

PAGE 1-A

ANSWER 7 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

1984:104440 CAPLUS

DOCUMENT NUMBER:

100:104440

TITLE:

Thermoplastic polyester molding compositions

INVENTOR(S): McFarlane, Finley E.; Taylor, Robert B.

PATENT ASSIGNEE(S):

SOURCE:

Eastman Kodak Co., USA U.S., 11 pp. Cont.-in-part of U.S. 4,250,078.

APPLICATION NO.

DATE

CODEN: USXXAM

DATE

min at 285° at 0.10 mm to give a brilliant red polyester

DOCUMENT TYPE:

Patent

LANGUAGE:

English

KIND

FAMILY ACC. NUM. COUNT:

PATENT NO.

PATENT INFORMATION:

Ú	S 4420581	A	19831213	US 1981-229041	19810128
U	S 4250078	A	1.9810210	US 1979-21755	19790319
	TY APPLN. INFO.:			US 1979-21755	
AB P	olyester molding	compńs.	are provided	, cóntaining Fe203 fo	or reduced heatup
t	imes, useful for :	blow mol $_{ m c}$	ding bottles	, and containing cert	tain anthraquinone
ď	yes which copolym	erize wh	en preparing	the polyesters. Thu	us, a mixture of
d	i-Me terephthalat	e 145.5,	ethylene gly	ycol 89.0, and 1,4-	
C,	yclohexanedimetha	nol 32.8	g containing	g Mn 50, Sb 250, Ti	30, P 70, and
1	,5-bis[[[4-(hydro:	xymethyl)cyclohexyl]:	methyl]amino]anthraqu	linone 100, and
F	e203 38 ppm was h	eated 2]	h, 20 min (e	xcept the P) while	
t	ransesterificatio	n took pi	lace. The to	emperature was raised	d to 215° and
ma	aintained for 1.5	h to co	mplete transe	esterification. The	temperature was
ra	aised to 240° and	the P wa	as added. Tl	he composition was th	nen heated 45

ΙΤ 75578-41-5

RL: USES (Uses)

[75578-44-8].

(colored molding compns.)

RN 75578-41-5 CAPLUS

1,4-Benzenedicarboxylic acid, dimethyl ester, polymer with CN 1,5-bis[[1-(2-hydroxyethyl)-1H-1,2,4-triazol-3-yl]thio]-9,10anthracenedione, 1,5-bis[[[4-(hydroxymethyl)cyclohexyl]methyl]amino]-9,10anthracenedione and 1,2-ethanediol (9CI) (CA INDEX NAME)

CM 1

CRN 71673-18-2 CMF C30 H38 N2 O4

CM 3

CRN 120-61-6 CMF C10 H10 O4

CM 4

CRN 107-21-1 CMF C2 H6 O2

 $^{\rm HO-}$ $^{\rm CH_2-}$ $^{\rm CH_2-}$ $^{\rm OH}$

L4 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER:

PATENT ASSIGNEE(S):

1981:176195 CAPLUS

DOCUMENT NUMBER:

94:176195

TITLE: INVENTOR(S): Thermoplastic polyester molding compositions

McFarlane, Finley E.; Taylor, Robert B.

Eastman Kodak Co., USA

SOURCE:

U.S., 9 pp. CODEN: USXXAM

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 2 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4250078	A	19810210	US 1979-21755	19790319
US 4420581	A	19831213	US 1981-229041	19810128
PRIORITY APPLN. INFO.:			US 1979-21755	19790319

Thermoplastic (optionally dye mol.-based) polyester molding compns. containing Fe oxides (particularly Fe2O3) exhibit markedly reduced heat-up times and are especially useful in the blow molding of beverage bottles. Thus, a mixture containing 145.5 g di-Me terephthalate, 89.0 g ethylene glycol, 32.8 g 1,4-cyclohexanedimethanol, 50 ppm Mn, 250 ppm Sb, 30 ppm Ti, 100 ppm red dye 1,5-bis[[[4-(hydroxymethyl)cyclohexyl]methyl]amino]anthraquinone, and 38 ppm Fe2O3 was heated at 195 and 215° to achieve ester exchange. Then 70 ppm P was added and the mixture was polycondensed in vacuo to give a brilliant red polymer [75578-44-8] having inherent viscosity 0.706 in phenol-tetrachloroethane. When formed into parisons and blow-molded into beverage bottles, the heat-up time necessary to soften the parison was reduced by apprx.25% over the polyester which was not admixed with Fe2O3.

IT 75578-41-5

RL: USES (Uses)

(ferric trioxide-containing, for reduced heat-up times in blow molding of beverage bottles)

RN 75578-41-5 CAPLUS

CN 1,4-Benzenedicarboxylic acid, dimethyl ester, polymer with 1,5-bis[[1-(2-hydroxyethyl)-1H-1,2,4-triazol-3-yl]thio]-9,10-anthracenedione, 1,5-bis[[[4-(hydroxymethyl)cyclohexyl]methyl]amino]-9,10-anthracenedione and 1,2-ethanediol (9CI) (CA INDEX NAME)

CM 1

CRN 71673-18-2 CMF C30 H38 N2 O4

PAGE 1-A

107-21-1 CMF C2 H6 O2

HO-CH2-CH2-OH

CAPLUS COPYRIGHT 2004 ACS on STN ANSWER 9 OF 10

ACCESSION NUMBER:

1980:621532 CAPLUS

DOCUMENT NUMBER:

93:221532

TITLE:

.Colored polyester

INVENTOR(S):

Davis, Thomas Glenn; Weaver, Max Allen

PATENT ASSIGNEE(S):

Eastman Kodak Co., USA

Ger. Offen., 23 pp.

SOURCE:

CODEN: GWXXBX

DOCUMENT TYPE:

Patent

LANGUAGE:

German

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3005223	A 1	19800904	DE 1980-3005223	19800212
US 4267306	A	19810512	US 1979-12415	19790215
CA 1130804	A1	19820831	CA 1980-343456	19800110
FR 2450848	A1	19801003	FR 1980-3109	19800213
FR 2450848	B1	19830718		
NL 8000938	A	19800819	NL 1980-938	19800214
JP 55112234	A2	19800829	JP 1980-17727	19800215
GB 2046768	A	19801119	GB 1980-5165	19800215
GB 2046768	B2	19830216		
PRIORITY APPLN. INFO.:			US 1979-12415	19790215

AΒ Heat-resistant dyes (3) such as 1,5-bis[[4-(hydroxymethyl)cyclohexylmethyl [] amino] anthraquinone (I) [71673-18-2] and 1,5-bis[1-(2-hydroxyethyl)-1,2,4-triazol-3-ylthio]anthraquinone are copolymd. with monomers such as di-Et terephthalate (II) and HOCH2CH2OH to prepare colored polyesters. some cases, other dyes and pigments are also used in the polyesters. Thus, I was prepared from 1,5-dichloroanthraquinone [82-46-2] and trans-4-(aminomethyl)cyclohexanemethanol [17879-23-1] and copolymd. (100 ppm) with II 145.5, HOCH2CH2OH 89, and 1,4-cyclohexanedimethanol 32.8 g to prepare a brilliant red polyester [75578-44-8].

IT75578-41-5P

RL: PREP (Preparation)

(manufacture of colored)

75578-41-5 CAPLUS RN

CN1,4-Benzenedicarboxylic acid, dimethyl ester, polymer with 1,5-bis[[1-(2-hydroxyethyl)-1H-1,2,4-triazol-3-yl]thio]-9,10anthracenedione, 1,5-bis[[[4-(hydroxymethyl)cyclohexyl]methyl]amino]-9,10anthracenedione and 1,2-ethanediol (9CI) (CA INDEX NAME)

CM1

71673-18-2 CRN CMF C30 H38 N2 O4

CM 3

CRN 120-61-6 CMF C10 H10 O4

CM 4

CRN 107-21-1 CMF C2 H6 O2

но- ch₂- ch₂- он

L4 ANSWER 10 OF 10 CAPLUS

CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: DOCUMENT NUMBER:

1971:14185 CAPLUS 74:14185

TITLE:

Water insoluble anthraquinone compounds and their use

in dyeing textiles from hydrophobic polymers

Weaver, Max A.; Giles, Ralph R.

PATENT ASSIGNEE(S): East

INVENTOR(S):
PATENT ASSIG
SOURCE:

Eastman Kodak Co. Ger. Offen., 93 pp.

CODEN: GWXXBX

DOCUMENT TYPE:

Patent

LANGUAGE:

German

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	DE 2008881		19700917		
	CA 944763			CA	
	FR 2033046			FR	
	FR 2037130			FR	
	GB 1300828			GB	
-	US 3689501		19720000	US	
PRIO	RITY APPLN. INFO.:			US	19690227
	For diagram(s), see				
AB	· -		-	rmula I, where R is an a	
				O(CH2)4, $m = 0$, 1; $n = 1$	
				panthraquinone was conde	
	-			ontaining K2CO3 to give	
				ulose acetate fibers.	_
			and Me2SO4	gave II.Me2SO4 (\dot{R} = Me)	, violet on
	polyacrylonitrile f				
ΙT	30123-35-4P 30123-3				
	30123-38-7P 30123-3				
	RL: IMF (Industrial	manufa	cture); PREF	(Preparation)	
	(preparation of)			,	
	30123-35-4 CAPLUS				
CN	<pre>1H-1,2,4-Triazole, INDEX NAME)</pre>	1-acety	1-3-[(4-amir	no-1-anthraquinonyl)thic	o]- (8CI) (CA

RN 30123-36-5 CAPLUS

CN 1H-1,2,4-Triazole-1-propionitrile, 3-[(4-amino-3-methoxy-1-anthraquinonyl)thio]- (8CI) (CA INDEX NAME)

RN 30123-37-6 CAPLUS CN Anthraquinone, 1-amino-2-bromo-4-[(1-ethyl-1H-1,2,4-triazol-3-yl)thio]-(8CI) (CA INDEX NAME)

RN30123-38-7 CAPLUS

CNAnthraquinone, 1-amino-4-[[1-(3-chloropropyl)-1H-1,2,4-triazol-3-yl]thio]-(8CI) (CA INDEX NAME)

RN 30123-39-8 CAPLUS

CN Anthraquinone, 1,1'-[ethylenebis(1H-1,2,4-triazole-1,3-diylthio)]bis[4-amino-(8CI) (CA INDEX NAME)

RN 30123-40-1 CAPLUS

CN Anthraquinone, 1-amino-4-[[1-[3-[3-[[2-[(1-methyl-1H-1,2,4-triazol-3-yl)thio]ethyl]thio]-1H-1,2,4-triazol-1-yl]propyl]-1H-1,2,4-triazol-3-yl]thio]- (8CI) (CA INDEX NAME)

PAGE 1-A

PAGE 2-A

=> d his

(FILE 'HOME' ENTERED AT 09:51:37 ON 08 NOV 2004)

FILE 'REGISTRY' ENTERED AT 09:51:54 ON 08 NOV 2004

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 14 S L1 FULL

FILE 'CAPLUS' ENTERED AT 09:53:06 ON 08 NOV 2004

L4 10 S L3

=> d 11

L1 HAS NO ANSWERS

IJ STE

Structure attributes must be viewed using STN Express query preparation.



PALM INTRANET

Day: Monday Date: 11/8/2004 Time: 09:27:34

Inventor Name Search Result

Your Search was:

Last Name = CYR

First Name = MICHAEL

Application#	Patent#	Status	Date Filed	Title	Inventor Name 51
60257454	Not Issued	159	12/21/2000	DATA STORAGE DEVICE WITH WIRELESS COMMUNICATIONS PORT	CYRULNIK, MICHAEL E.
60223521	Not Issued	159	08/07/2000	COLORANT COMPOUNDS CONTAINING COPOLYMERIZABLE VINYL GROUPS	CYR, MICHAEL J.
60223520	Not Issued	159	08/07/2000	COLORANTS CONTAINING COPOLYMERIZABLE VINYL GROUPS AND SULFONAMIDE LINKAGES	CYR, MICHAEL J
60165064	Not Issued	159	11/12/1999	POLYAMIDE NANOCOMPOSITES WITH OXYGEN SCAVENGING CAPABILITY	CYR , MICHAEL JOHN
60148168	Not Issued	159	08/10/1999	POLYETHER CONTAINING POLYMERS FOR OXYGEN SCAVENGING	CYR , MICHAEL J
60148156	Not Issued	159	08/10/1999	PLATELET PARTICLE POLYMER COMPOSITE WITH OXYGEN SCAVENGING ORGANIC CATIONS	CYR , MICHAEL J.
60148138	Not Issued	159	08/10/1999	POLYAMIDE NANOCOMPOSITES WITH OXYGEN SCAVENGING CAPABILITY	CYR , MICHAEL JOHN
60034421	Not Issued	159	12/17/1996	METHODS OF MARKING DIGITAL COMPACT DISCS AS A MEANS TO DETERMINE ITS AUTHENTICITY	CYR , MICHAEL J

	Issued			FOR DISCRIMINATING BETWEEN NEAR INFRARED FLUORESCENT MARKINGS	J
60020308	Not Issued	159	06/24/1996	SCANNERS FOR READING NEAR INFRARED FLUORESCENT MARKINGS	CYR , MICHAEL J.
60012997	Not Issued	159	03/07/1996	THERMAL TRANSFER MEDIA ONTAINING NEAR INFRARED FLUOROPHORES	CYR , MICHAEL J
60008213	Not Issued	159	12/05/1995	PHOTOOXIDATION POLYMERS FOR VARIOUS APPLICATIONS	CYR , MICHAEL J.
10757959	Not Issued	020	01/15/2004	POLYMAMIDE NANOCOMPOSITES WITH OXYGEN SCAVENGING CAPABILITY	CYR, MICHAEL JOHN
10734630	Not Issued	030	12/12/2003	THERMALLY STABLE, ANTHRAQUINONE COLORANTS CONTAINING COPOLYMERIZABLE VINYL GROUPS	CYR, MICHAEL JOHN
<u>10719883</u>	Not Issued	071	11/21/2003	THERMALLY STABLE, ANTHRAQUINONE COLORANTS CONTAINING COPOLYMERIZABLE VINYL GROUPS	CYR, MICHAEL JOHN
10719427	6787658	150	11/21/2003	THERMALLY STABLE, ANTHRAQUINONE COLORANTS CONTAINING COPOLYMERIZABLE VINYL GROUPS	CYR, MICHAEL JOHN
10719268	Not Issued	071	11/21/2003	THERMALLY STABLE, ANTHRAQUINONE COLORANTS CONTAINING COPOLYMERIZABLE VINYL GROUPS	CYR, MICHAEL JONH
10659225	Not Issued	020	09/10/2003	METHOD FOR REDUCING THE ACETALDEHYDE LEVEL IN POLYESTERS	CYR, MICHAEL JOHN
<u>10654175</u>	Not Issued	030	09/03/2003	COLORANT COMPOUNDS CONTAINING COPOLYMERIZABLE VINYL GROUPS	CYR, MICHAEL JOHN
10654103	Not Issued	041	09/03/2003	COLORANT COMPOUNDS CONTAINING COPOLYMERIZABLE VINYL	CYR, MICHAEL JOHN

				GROUPS	
10215051	Not Issued	041	08/08/2002	SYSTEM AND METHOD FOR PLAYING BLACKJACK	CYRKIEL, MICHAEL
<u>10127064</u>	Not Issued	030	04/19/2002	IPSEC NETWORK ADAPTER VERIFIER	CYR, MICHAEL PAUL
10054285	6630521_	150	11/13/2001	ANTHRAQUINONE COLORANTS CONTAINING COPOLYMERIZABLE VINYL GROUPS	CYR, MICHAEL JOHN
<u>10046679</u>	6713641	150	10/19/2001	REACTIVE ANTHRAQUINONE COLORANT COMPOUNDS AND POLYMERIC MATERIALS REACTED THEREWITH	CYR, MICHAEL JOHN
09920904	6727372	150	08/02/2001	COLORANT COMPOUNDS CONTAINING COPOLYMERIZABLE VINYL GROUPS	CYR, MICHAEL JOHN
<u>09920151</u>	6620858	150	08/01/2001	COLORANTS CONTAINING COPOLYMERIZABLE VINYL GROUPS AND SULFONAMIDE LINKAGES	
09911789	6689828	150	07/24/2001	THERMALLY STABLE, ANTHRAQUINONE COLORANTS CONTAINING COPOLYMERIZABLE VINYL GROUPS	CYR, MICHAEL JOHN
<u>09633548</u>	Not Issued	161	08/07/2000	THERMALLY STABLE, ANTHRAQUINONE COLORANTS CONTAINING COPOLYMERIZABLE VINYL GROUPS	CYR, MICHAEL JOHN
09630519	6455620	150	08/02/2000	POLYETHER CONTAINING POLYMERS FOR OXYGEN SCAVENGING	CYR, MICHAEL JOHN
09630518	6610772	150	08/02/2000	PLATELET PARTICLE POLYMER COMPOSITE WITH OXYGEN SCAVENGING ORGANIC CATIONS	CYR, MICHAEL JOHN
<u>09630517</u>	6777479.	150	08/02/2000	POLYAMIDE NANOCOMPOSITES WITH OXYGEN SCAVENGING CAPABILITY	CYR, MICHAEL JOHN
09339125	6221279	150	06/24/1999	PIGMENT PARTICLES FOR	CYR , MICHAEL

				INVISIBLE MARKING APPLICATIONS	JOHN
09261699 .	5988644	150	03/03/1999	METHOD OF PLAYING A CARD GAME	CYRKIEL, MICHAEL
09261282	Not ·Issued	161	03/02/1999	ABRASIVE WATERJET PROCESS AND SYTEM FOR DRILLING ON WALLS INCLUDING CAVITIES THEREIN	CYR , MICHAEL J
09080977	Not Issued	161	05/19/1998	GUARANTEE 20	CYRKIEL, MICHAEL
09011805	6099930	150	07/20/1998	METHODS FOR MARKING DIGITAL COMPACT DISCS AS A MEANS TO DETERMINE ITS AUTHENTICITY	CYR , MICHAEL JOHN
08981859	6138913	150	01/05/1998	SECURITY DOCUMENT AND METHOD USING INVISIBLE CODED MARKINGS	CYR , MICHAEL JOHN
08880037	5959296	150	06/20/1997	SCANNERS FOR READING NEAR INFRARED FLUORESCENT MARKS	CYR`, MICHAEL JOHN
08811311	6174400	150	03/04/1997	NEAR INFRARED FLUORESCENT SECURITY THERMAL TRANSFER PRINTING AND MARKING RIBBONS	CYR , MICHAEL JOHN
07966317	5302714	150	10/26/1992	SAPPHYRINS, DERIVATIVES AND SYNTHESES	CYR , MICHAEL J
07454298	5159065	150	12/21/1989	SAPPHYRINS, DERIVATIVES AND SYNTHESES	CYR , MICHAEL J.
07087769	Not Issued	071	08/21/1987	SPLITTER TREE SYSTEM FOR USE IN COMPUTER IMAGE GRAPHICS	CYRUS , MICHAEL L.
07087768	Not Issued	164	08/21/1987	TILING SYSTEM FOR USE IN COMPUTER IMAGE GRAPHICS	CYRUS , MICHAEL L
<u>07087767</u>	Not Issued	164	12/05/1988	COMPUTER IMAGE GENERATION SYSTEM	CYRUS , MICHAEL L
06716207	Not Issued	161	03/26/1985	VEHICLE WINDOWSILL ARMREST	CYR , MICHAEL B
06704105	<u>4588569</u>	150	02/21/1985	DRY INJECTION FLUE GAS DESULFURIZATION	CYRAN , MICHAEL J.

				PROCESS USING ABSORPTIVE SODA ASH SORBENT	
06676847	Not Issued	164	11/30/1984	TILING SYSTEM FOR USE IN COMPUTER IMAGE GRAPHICS	CYRUS , MICHAEL L
<u>06676736</u> /	Not Issued	164	11/30/1984	INTELLIGENT MEMORY SYSTEM FOR USE IN COMPUTER IMAGE GRAHICS	CYRUS , MICHAEL L.
06676560	Not Issued	164	11/30/1984	SPLITTER TREE SYSTEM FOR USE IN COMPUTER IMAGE GRAPHICS	CYRUS , MICHAEL L
06634234	4555391	150	07/24/1984	DRY INJECTION FLUE GAS DESULFURIZATION PROCESS	CYRAN , MICHAEL J.
06593749	Not Issued	161	03/27/1984	CALCINED TRONA COMPOSITION FOR FLUE GAS DESULFURIZATION	CYRAN , MICHAEL J.

Search and Display More Records.

	Last Name	First Name	
Search Another:	Cyr	Michael	
Inventor		Search	

To go back use Back button on your browser toolbar.

Back to PALM | ASSIGNMENT | OASIS | Home page